

DECLARATION FOR PATENT APPLICATIONDocket Number: **APV-382.01**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IN VITRO DIFFERENTIATION OF VASCULAR SMOOTH MUSCLE CELLS SYSTEM

the specification of which (check one): ☐ is attached hereto.
☒ (X) was filed on October 28, 1998 as United States Application
 Number or PCT International Application Number 09/181,311
 _____, and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.

<u>60/063,363</u>	<u>October 28, 1997</u>
(Application Number)	(Filing Date)
<u>60/080,420</u>	<u>April 2, 1998</u>
(Application Number)	(Filing Date)
<u>60/096,685</u>	<u>August 14, 1998</u>
(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____	_____	_____
(Application Number)	(Filing Date)	(Status: patent, pending, abandoned)
_____	_____	_____
(Application Number)	(Filing Date)	(Status: patent, pending, abandoned)

I hereby appoint Beth E. Arnold, Reg. No. 35,430; Paula Campbell, Reg. No. 32,503; Charles H. Cella, Reg. No. 38,099; Isabelle M. Clauss, Reg. (see attached); Edward J. Kelly, Reg. No. 38,936; Donald W. Muirhead, Reg. No. 33,978; Chinh Pham, Reg. No. 39,329; Diana Steel, Reg. No. 43,153; Matthew P. Vincent, Reg. No. 36,709; and Anita Varma, Reg. No. 43,221 as attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all telephone calls to Matthew P. Vincent at telephone number (617) 832-1000.

Address all correspondence to: Patent Group
Foley, Hoag & Eliot LLP
One Post Office Square
Boston, Ma. 02109-2170

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Mu-En Lee

Lee / v 11/7/1999
Inventor's signature Date
102 Nardell Road, Newton, Massachusetts, 02459-02459 Taiwan
Residence USA
Citizenship

Post Office Address (if different)

Full name of second joint inventor, if any (given name, family name): Mukesh Jain

Mukesh Jain 11/7/99
Inventor's signature Date
15 Grant Street, W. Newton, Massachusetts 02165 USA
Residence Citizenship

Post Office Address (if different)

Full name of third joint inventor (given name, family name): Masafumi Watanabe

Masafumi Watanabe 11/7/1999
Inventor's signature Date
28 St. Paul Street, Apt. No. 1, Brookline, Massachusetts 02145 USA JAPAN
98 Pond Avenue, Brookline, Massachusetts 02146 USA JAPAN
Residence Citizenship

Post Office Address (if different)



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 19, 1999

PTAS

FOLEY, HOAG & ELIOT LLP
MATTHEW P. VINCENT, PH.D.
ONE POST OFFICE SQUARE
BOSTON, MA 02109



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APU-342-01

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/21/1999

REEL/FRAME: 9705/0420
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, MU-EN

DOC DATE: 01/07/1999

ASSIGNOR:

JAIN, MUKESH

DOC DATE: 01/07/1999

ASSIGNOR:

WATANABE, MASASUMI

DOC DATE: 01/07/1999

ASSIGNEE:

PRESIDENT AND FELLOWS OF HARVARD
COLLEGE
17 QUINCY STREET
CAMBRIDGE, MASSACHUSETTS 02138

SERIAL NUMBER: 09181311
PATENT NUMBER:

FILING DATE: 10/28/1998
ISSUE DATE:

9705/0420 PAGE 2

SONYA JOHNSON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01-22-1999



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RECORDATION FORM COVER SHEET

PATENTS ONLY

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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Mu-En Lee
(2) Mukesh Jain
(3) Masafumi Watanabe

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: (1-3) January 7, 1999

2. Name and address of receiving party(ies)

Name: President and Fellows of Harvard College

Internal Address: _____

Street Address: 17 Quincy StreetCity: Cambridge State: MA ZIP: 02138Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

09/181,311

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Matthew P. Vincent, Ph.D.
Telephone: (617) 832-1000

Internal Address: Foley, Hoag & Eliot LLPStreet Address: One Post Office SquareCity: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 06-1448

Attach duplicate copy of this page if paying by deposit account

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Matthew P. Vincent, Ph.D.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

01/21/1999 SBURNS 00000165 09181311

01 FC:581

40.00 00

ASSIGNMENT

APV-382.01

We, Mu-En Lee of Newton, MA, Mukesh Jain of Newton, MA, and Masafumi Watanabe of Brookline, MA, in consideration of One Dollar and other valuable consideration paid to us by President and Fellows of Harvard College, having its principal place of business at 17 Quincy Street, Cambridge, Massachusetts, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

President and Fellows of Harvard College

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"IN VITRO DIFFERENTIATION OF VASCULAR SMOOTH MUSCLE CELLS SYSTEM "

described in application Serial No. 09/181,311 filed on 28 October 1998 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

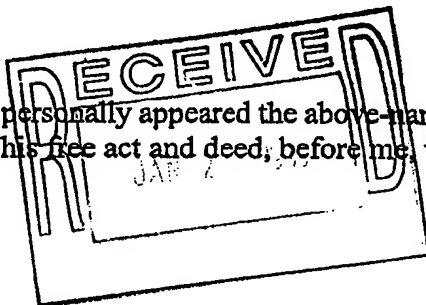
And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 7th day of January, 1999

By: Lee

Mu-En Lee

Then personally appeared the above-named Mu-En Lee and acknowledged the foregoing instrument to be his free act and deed, before me, this 7th day of January, 1999



Thomas J. McVarist
Witness signature

Thomas J. McVarist

Witness Name (please print)

ASSIGNMENT: USSN 09/181,311

WITNESS my hand this 7th day of January, 1999By: Mukesh Jain

Mukesh Jain

Then personally appeared the above-named Mukesh Jain and acknowledged the foregoing instrument to be his free act and deed, before me, this 7th day of January, 1999.Thomas J. McVarrist
Witness signatureThomas J. McVarrist
Witness Name (please print)WITNESS my hand this 7th day of January, 1999.By: Masafumi Watanabe

Masafumi Watanabe

Then personally appeared the above-named Masafumi Watanabe and acknowledged the foregoing instrument to be his free act and deed, before me, this 7th day of January, 1999.Thomas J. McVarrist
Witness signatureThomas J. McVarrist
Witness Name (please print)

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